IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

[CLAIM 1]

(Original) A force-on-pedal sensor comprising:

a cylindrical substrate whose one end is closed having:

a hole at a center of its side section; and

a strain resistance element via an insulating layer at its side section;

a coil spring coaxially inserted from an open end of the substrate;

an inputting shaft having a stepped part contacted with one end of the coil spring and inserted in the hole in such a manner that a part of the inputting shaft is protruded from the hole; and

a stopper at a position where the inputting shaft is protruded.

[CLAIM 2]

(Original) The force-on-pedal sensor of claim 1,

wherein a screw section is formed at an outer circumference of a cylindrical section of the substrate.

[CLAIM 3]

(Original) The force-on-pedal sensor of claim 1,

wherein a first stopper having an outer diameter larger than an inner diameter of a cylindrical section of the substrate is inserted into the stepped part of the inputting shaft, and contacts the coil spring,

wherein when the coil spring is contracted to a certain load, the first stopper contacts the substrate, so that no more load is applied.

[CLAIM 4]

(Original) The force-on-pedal sensor of claim 1,

wherein the substrate is formed by mechanically coupling the side section with a cylindrical section, and the strain resistance element and a processing circuit are formed in one piece at the side section.

[CLAIM 5]

(Currently Amended) A pedal-pressure detecting device comprising:

a brake arm;

a link whose one end is linked with the brake arm using a rotatable first shaft and the other end is linked with a push-rod which transmits force to a master cylinder; and

an arm, which is installed at the link, for transmitting a load by contacting the inputting shaft of the force-on-pedal sensor ~~as in any one of claims 1-4~~ as of claim 1.

[CLAIM 6]

(Currently Amended) ~~The pedal-pressure detecting device of claim 5,~~

~~wherein a universal joint section is formed at a load applied point between the arm and the inputting shaft.~~

A pedal-pressure detecting device comprising:

a brake arm;

a link whose one end is linked with the brake arm using a rotatable first shaft and the other end is linked with a push-rod which transmits force to a master cylinder; and

an arm, which is installed at the link, for transmitting a load by contacting the inputting shaft of the force-on-pedal sensor of claim 2.

[CLAIM 7]

(New) A pedal-pressure detecting device comprising:

a brake arm;

a link whose one end is linked with the brake arm using a rotatable first shaft and the other end is linked with a push-rod which transmits force to a master cylinder; and

an arm, which is installed at the link, for transmitting a load by contacting the inputting shaft of the force-on-pedal sensor of claim 3.

[CLAIM 8]

(New) A pedal-pressure detecting device comprising:

a brake arm;

a link whose one end is linked with the brake arm using a rotatable first shaft and the other end is linked with a push-rod which transmits force to a master cylinder; and

an arm, which is installed at the link, for transmitting a load by contacting the inputting shaft of the force-on-pedal sensor of claim 4.

[CLAIM 9]

(New) The pedal-pressure detecting device of claim 5,

wherein a universal joint section is formed at a load applied point between the arm and the inputting shaft.

[CLAIM 10]

(New) The pedal-pressure detecting device of claim 6,

wherein a universal joint section is formed at a load applied point between the arm and the inputting shaft.

[CLAIM 11]

(New) The pedal-pressure detecting device of claim 7,

wherein a universal joint section is formed at a load applied point between the arm and the inputting shaft.

[CLAIM 12]

(New) The pedal-pressure detecting device of claim 8,

wherein a universal joint section is formed at a load applied point between the arm and the inputting shaft.